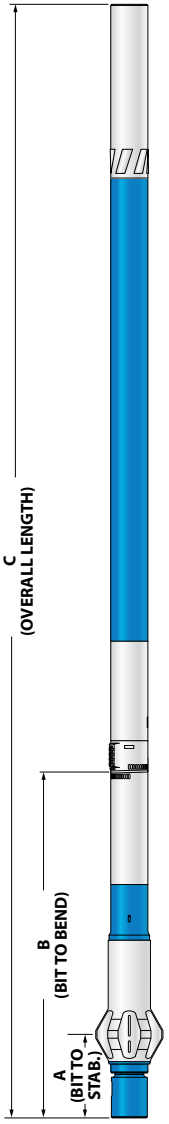
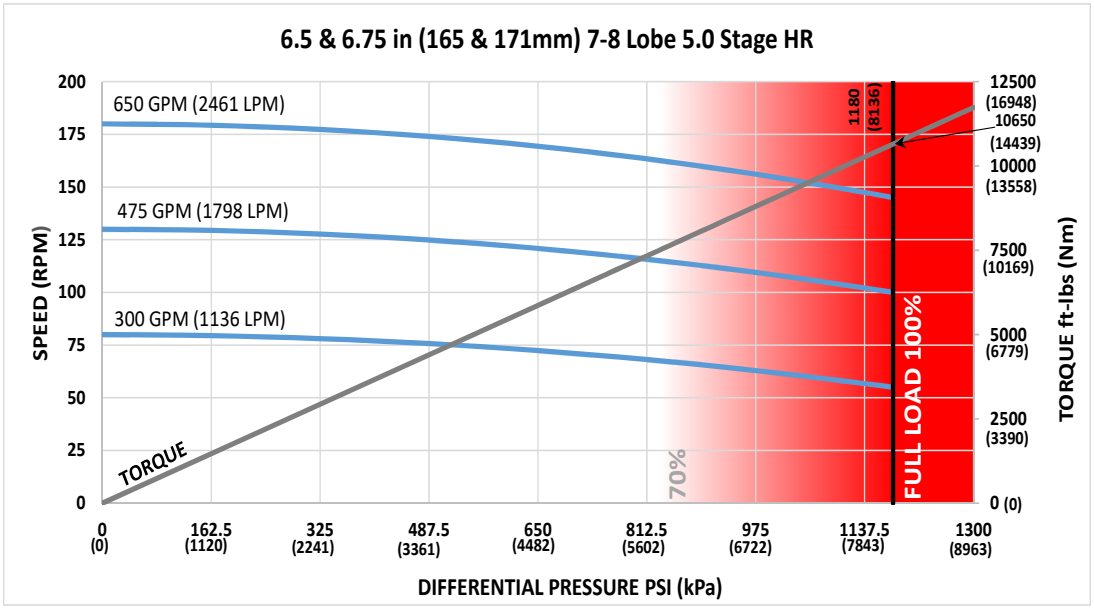
6-1/2 & 6-3/4 in (165 & 171 mm) 7-8 Lobe 5.0 Stage HR SERIES 3



Bit Size Range		7-⅞ - 9-⅞ in	200 - 251 mm
Bit Box Connection		4-½ REGULAR	
Dynamic Bearing Load On/Off Bottom		131700 lbf	58600 daN
Static Bearing Load On/Off Bottom		420400 lbf	187000 daN
Max. Overpull (For Re-run)		328000 lbf	145900 daN
Absolute Overpull		546000 lbf	242900 daN
Adjustable Makeup Torque		25000 ft-lbs	33900 Nm
Stab/Thread Protector Makeup Torque		12000 ft-lbs	16300 Nm
A = Bit to Stabilizer (Centre)		16.45 in	418 mm
B = Bit to Bend	**Adjustable**	67.87 in	1724 mm
	Fixed	52.97 in	1345 mm
C = Overall (With Dump Sub)		317.2 in	8057 mm
Weight		2477 lbs	1124 kg

Lobe Configuration	7-8 Lobe 5 Stage HR	
Displacement (No Load)	0.27 rev/gal	0.07 rev/l
Max. Differential (Full Load)	1180 psi	8136 kPa
Max. Torque	10650 ft-lbs	14439 Nm
Max. Power	294 HP	219 kW

Flow Rate		**Speed**
GPM	**LPM**	**RPM**
300	1136	55 - 80
475	1798	100 - 130
650	2461	145 - 180



Possible damage may occur when motor is run higher than 70% of Maximum Differential Pressure.

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	7-⅞ (200mm)	8-½ (216mm)	8-¾ (222mm)	9-⅞ (251mm)	7-⅞ (200mm)	8-½ (216mm)	8-¾ (222mm)	9-⅞ (251mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	0.5	-	-	-	2.4	2.9	3.1	-
0.78	3.6	1.7	1.0	-	4.9	5.5	5.7	6.6
1.15	6.6	4.7	3.9	0.5	7.4	7.9	8.1	9.1
1.50	9.4	7.5	6.8	3.3	9.7	10.2	10.4	11.4
1.83	12.0	10.2	9.4	6.0	12.0	12.4	12.6	13.6
2.12	14.4	12.5	11.7	8.3	14.4	14.3	14.5	15.5
2.38	16.5	14.6	13.8	10.4	16.5	16.0	16.2	17.2
2.60	18.2	16.3	15.6	12.2	18.2	17.5	17.7	18.6
2.77	19.6	17.7	16.9	13.5	19.6	18.6	18.8	19.7
2.90	20.6	18.7	18.0	14.6	20.6	19.4	19.7	20.6
2.97	21.2	19.3	18.5	15.1	21.2	19.9	20.1	21.1
3.00	21.4	19.5	18.8	15.4	21.4	20.1	20.3	21.3

Note: Stabilizers are ⅛" undergage

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	7-⅞ (200mm)	8-½ (216mm)	8-¾ (222mm)	9-⅞ (251mm)	7-⅞ (200mm)	8-½ (216mm)	8-¾ (222mm)	9-⅞ (251mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	6.9	4.6	3.7	-	8.5	9.0	9.2	10.2
1.50	8.9	6.6	5.7	1.7	10.2	10.7	11.0	11.9
1.75	10.9	8.6	7.7	3.7	12.0	12.5	12.7	13.6
2.00	12.9	10.6	9.7	5.7	13.7	14.2	14.4	15.4
2.25	14.9	12.6	11.7	7.7	15.4	16.0	16.2	17.1
2.50	16.9	14.6	13.7	9.7	17.2	17.7	17.9	18.9

This information is for reference only. Build rates are theoretical calculations using three-point geometry and new motor builds. Actual rate predictions will depend on formation characteristics, bit profiles, and WOB.

For custom motor configurations and build rates, please contact your DYNOMAX office.

March 16, 2021

7501 42 Street, Leduc, AB T9E 0R8 || Tel: 780.986.3070 || Fax: 780.986.3536

www.DYNOMAXDrillingTools.com **sales@DYNOMAXDrillingTools.com**